

**SVKM's**  
**D. J. Sanghvi College of Engineering**

**Program: B.Tech (All Programs)**

**Academic Year: 2022**

**Duration: 3 hours**

**Date: 04.01.2023**

**Time: 10:30 am to 01:30 pm**

**Subject: Cyber Security and Laws (Semester VII)**

**Marks: 75**

**Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover page of the Answer Book, which is provided for their use.**

- (1) This question paper contains two pages.
- (2) **All Questions are Compulsory.**
- (3) All questions carry equal marks.
- (4) **Answer to each new question is to be started on a fresh page.**
- (5) **Figures in the brackets on the right indicate full marks.**
- (6) **Assume suitable data wherever required, but justify it.**
- (7) Draw the neat labelled diagrams, wherever necessary.

<b>Question No.</b>		<b>Max. Marks</b>
Q1 (a)	a) Identify various threats to the MNC Bank whose offices are located across the India and discussed various mitigation approaches for these threats.  b) Design secured Network for MNC bank which can mitigates these threats.	[08]
Q1 (b)	I. Discuss the cybercrime against society and also comments on its prevention mechanism?  <b>OR</b>  II. Discuss in details various types of Electronics Contract.	[07]  [07]
Q2 (a)	I. What is attack vector? Discuss any two kind of attack vector in Cybersecurity.  <b>OR</b>  ii. Explain in details how Cyber criminals plan?	[07]  [07]
Q2 (b)	Discuss in details about Digital Signature and Electronics Signature? Explain different classification of Electronics authentication and signature methods.	[08]
Q3 (a)	Explain various web server vulnerability along with their prevention techniques	[08]
Q3 (b)	I. Explain B2B and B2C ecommerce? Discuss various advantages of E commerce.  <b>OR</b>	[07]

	II. What is Dynamic and Deliberating Targeting? Explain.	[07]
Q4 (a)	What do you mean by Evasion? Explain in details Sandbox Evasion techniques.	[08]
Q4 (b)	I. Explain various types of offences included in IT Act. 2000 <b>OR</b> II. Explain in details IT ACT 2008 and Its Amendment	[07] [07]
Q5 (a)	i. Explain Buffer overflow techniques with Mitigation techniques. <b>OR</b> ii. Explain HIPPA along with its compliances.	[07] [07]
Q5 (b)	Write short note on i. SOX ii. GLBA	[08]